



1646

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/714,792

DATE: 04/08/2002
TIME: 09:15:57

Input Set : N:\jumbos\09714792.raw.txt
Output Set: N:\CRF3\04082002\I714792.raw

SEQUENCE LISTING

Does Not Comply
Corrected Diskette Needed

do edit

4 (1) GENERAL INFORMATION:
6 (i) APPLICANT: Collins, Mary
7 Donaldson, Debra
8 Fitz, Lori
9 Neben, Tamlyn
10 Whitters, Matthew
11 Wood, Clive
13 (ii) TITLE OF INVENTION: CYTOKINE RECEPTOR CHAIN
15 (iii) NUMBER OF SEQUENCES: 9
17 (iv) CORRESPONDENCE ADDRESS:
18 (A) ADDRESSEE: Genetics Institute, Inc.
19 (B) STREET: 87 CambridgePark Drive
20 (C) CITY: Cambridge
21 (D) STATE: MA
22 (E) COUNTRY: USA
23 (F) ZIP: 02140
25 (v) COMPUTER READABLE FORM:
26 (A) MEDIUM TYPE: Floppy disk
27 (B) COMPUTER: IBM PC compatible
28 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
29 (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
31 (vi) CURRENT APPLICATION DATA:
C--> 32 (A) APPLICATION NUMBER: US/09/714,792
C--> 33 (B) FILING DATE: 16-Nov-2000
34 (C) CLASSIFICATION:
36 (viii) ATTORNEY/AGENT INFORMATION:
37 (A) NAME: Brown, Scott A.
38 (B) REGISTRATION NUMBER: 32,724
39 (C) REFERENCE/DOCKET NUMBER: GI5268
41 (ix) TELECOMMUNICATION INFORMATION:
42 (A) TELEPHONE: (617) 498-8224
43 (B) TELEFAX: (617) 876-5851

ERRORED SEQUENCES

46 (2) INFORMATION FOR SEQ ID NO: 1:
48 (i) SEQUENCE CHARACTERISTICS:
49 (A) LENGTH: 1525 base pairs
50 (B) TYPE: nucleic acid
51 (C) STRANDEDNESS: double
52 (D) TOPOLOGY: linear

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Input Set : N:\jumbos\09714792.raw.txt
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54 (ii) MOLECULE TYPE: cDNA
 56 (iii) HYPOTHETICAL: NO
 59 (ix) FEATURE:
 60 (A) NAME/KEY: CDS
 61 (B) LOCATION: 256..1404
 64 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
 E--> 66 GAATTCTGGCA CGAGGGAGAG GAGGGAGGAA AGATAGAAAG AGAGAGAGAA
 67 AGATTGCTTG 60
 E--> 69 CTACCCCTGGA ACAGTGACCT CTCTCAAGAC AGTGCTTGCG TCTTCACGTA
 70 TAAGGAAGGA 120
 E--> 72 AAACAGTAGA GATTCAATTT AGTGTCTAAT GTGGAAAGGA GGACAAAGAG
 73 GTCTTGTGAT 180
 E--> 75 AACTGCCTGT GATAATACAT TTCTTGAGAA ACCATATTAT TGAGTAGAGC
 76 TTTCAGCACA 240
 E--> 78 CTAAATCCTG GAGAA ATG GCT TTT GTG CAT ATC AGA TGC TTG TGT TTC ATT
 W--> 79 291
 80 Met Ala Phe Val His Ile Arg Cys Leu Cys Phe Ile
 81 1 5 10
 E--> 83 CTT CTT TGT ACA ATA ACT GGC TAT TCT TTG GAG ATA AAA GTT AAT CCT
 W--> 84 339
 85 Leu Leu Cys Thr Ile Thr Gly Tyr Ser Leu Glu Ile Lys Val Asn Pro
 W--> 86 15 20 25
 E--> 88 CCT CAG GAT TTT GAA ATA TTG GAT CCT GGA TTA CTT GGT TAT CTC TAT
 W--> 89 387
 90 Pro Gln Asp Phe Glu Ile Leu Asp Pro Gly Leu Leu Gly Tyr Leu Tyr
 W--> 91 30 35 40
 E--> 93 TTG CAA TGG AAA CCT CCT GTG GTT ATA GAA AAA TTT AAG GGC TGT ACA
 W--> 94 435
 95 Leu Gln Trp Lys Pro Pro Val Val Ile Glu Lys Phe Lys Gly Cys Thr
 W--> 96 45 50 55 60
 E--> 98 CTA GAA TAT GAG TTA AAA TAC CGA AAT GTT GAT AGC GAC AGC TGG AAG
 W--> 99 483
 100 Leu Glu Tyr Glu Leu Lys Tyr Arg Asn Val Asp Ser Asp Ser Trp Lys
 W--> 101 65 70 75
 E--> 103 ACT ATA ATT ACT AGG AAT CTA ATT TAC AAG GAT GGG TTT GAT CTT AAT
 W--> 104 531
 105 Thr Ile Ile Thr Arg Asn Leu Ile Tyr Lys Asp Gly Phe Asp Leu Asn
 W--> 106 80 85 90
 E--> 108 AAA GGC ATT GAA GGA AAG ATA CGT ACG CAT TTG TCA GAG CAT TGT ACA
 W--> 109 579
 110 Lys Gly Ile Glu Gly Lys Ile Arg Thr His Leu Ser Glu His Cys Thr
 W--> 111 95 100 105
 E--> 113 AAT GGA TCA GAA GTA CAA AGT CCA TGG ATA GAA GCT TCT TAT GGG ATA
 W--> 114 627
 115 Asn Gly Ser Glu Val Gln Ser Pro Trp Ile Glu Ala Ser Tyr Gly Ile
 W--> 116 110 115 120
 E--> 118 TCA GAT GAA GGA AGT TTG GAA ACT AAA ATT CAG GAC ATG AAG TGT ATA
 W--> 119 675
 120 Ser Asp Glu Gly Ser Leu Glu Thr Lys Ile Gln Asp Met Lys Cys Ile

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Input Set : N:\jumbos\09714792.raw.txt
Output Set: N:\CRF3\04082002\I714792.raw

W--> 121 125 130 135 140
E--> 123 TAT TAT AAC TGG CAG TAT TTG GTC TGC TCT TGG AAA CCT GGC AAG ACA
W--> 124 723 125 Tyr Tyr Asn Trp Gln Tyr Leu Val Cys Ser Trp Lys Pro Gly Lys Thr
W--> 126 145 150 155
E--> 128 GTA TAT TCT GAT ACC AAC TAT ACC ATG TTT TTC TGG TAT GAG GGC TTG
W--> 129 771 130 Val Tyr Ser Asp Thr Asn Tyr Thr Met Phe Phe Trp Tyr Glu Gly Leu
W--> 131 160 165 170
E--> 133 GAT CAT GCC TTA CAG TGT GCT GAT TAC CTC CAG CAT GAT GAA AAA AAT
W--> 134 819 135 Asp His Ala Leu Gln Cys Ala Asp Tyr Leu Gln His Asp Glu Lys Asn
W--> 136 175 180 185
E--> 138 GTT GGA TGC AAA CTG TCC AAC TTG GAC TCA TCA GAC TAT AAA GAT TTT
W--> 139 867 140 Val Gly Cys Lys Leu Ser Asn Leu Asp Ser Ser Asp Tyr Lys Asp Phe
W--> 141 190 195 200
E--> 143 TTT ATC TGT GTT AAT GGA TCT TCA AAG TTG GAA CCC ATC AGA TCC AGC
W--> 144 915 145 Phe Ile Cys Val Asn Gly Ser Ser Lys Leu Glu Pro Ile Arg Ser Ser
W--> 146 205 210 215 220
E--> 148 TAT ACA GTT TTT CAA CTT CAA AAT ATA GTT AAA CCA TTG CCA CCA GAA
W--> 149 963 150 Tyr Thr Val Phe Gln Leu Gln Asn Ile Val Lys Pro Leu Pro Pro Glu
W--> 151 225 230 235
E--> 153 TTC CTT CAT ATT AGT GTG GAG AAT TCC ATT GAT ATT AGA ATG AAA TGG
W--> 154 1011 155 Phe Leu His Ile Ser Val Glu Asn Ser Ile Asp Ile Arg Met Lys Trp
W--> 156 240 245 250
E--> 158 AGC ACA CCT GGA GGA CCC ATT CCA CCA AGG TGT TAC ACT TAT GAA ATT
W--> 159 1059 160 Ser Thr Pro Gly Gly Pro Ile Pro Pro Arg Cys Tyr Thr Tyr Glu Ile
W--> 161 255 260 265
E--> 163 GTG ATC CGA GAA GAC GAT ATT TCC TGG GAG TCT GCC ACA GAC AAA AAC
W--> 164 1107 165 Val Ile Arg Glu Asp Asp Ile Ser Trp Glu Ser Ala Thr Asp Lys Asn
W--> 166 270 275 280
E--> 168 GAT ATG AAG TTG AAG AGG AGA GCA AAT GAA AGT GAA GAC CTA TGC TTT
W--> 169 1155 170 Asp Met Lys Leu Lys Arg Arg Ala Asn Glu Ser Glu Asp Leu Cys Phe
W--> 171 285 290 295 300
E--> 173 TTT GTA AGA TGT AAG GTC AAT ATA TAT TGT GCA GAT GAT GGA ATT TGG
W--> 174 1203 175 Phe Val Arg Cys Lys Val Asn Ile Tyr Cys Ala Asp Asp Gly Ile Trp
W--> 176 305 310 315
E--> 178 AGC GAA TGG AGT GAA GAG GAA TGT TGG GAA GGT TAC ACA GGG CCA GAC
W--> 179 1251 180 Ser Glu Trp Ser Glu Glu Glu Cys Trp Glu Gly Tyr Thr Gly Pro Asp
W--> 181 320 325 330

*format
error*

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PATENT APPLICATION: US/09/714,792

DATE: 04/08/2002
TIME: 09:15:57

Input Set : N:\jumbos\09714792.raw.txt
Output Set: N:\CRF3\04082002\I714792.raw

183 TCA AAG ATT ATT TTC ATA GTA CCA GTT TGT CTT TTC TTT ATA TTC CTT 1299
184 Ser Lys Ile Ile Phe Ile Val Pro Val Cys Leu Phe Phe Ile Phe Leu
W--> 185 335 340 345
E--> 187 TTG TTA CTT CTT TGC CTT ATT GTG GAG AAG GAA GAA CCT GAA CCC ACA
W--> 188 1347
189 Leu Leu Leu Cys Leu Ile Val Glu Lys Glu Glu Pro Glu Pro Thr
W--> 190 350 355 360
E--> 192 TTG AGC CTC CAT GTG GAT CTG AAC AAA GAA GTG TGT GCT TAT GAA GAT
W--> 193 1395
194 Leu Ser Leu His Val Asp Leu Asn Lys Glu Val Cys Ala Tyr Glu Asp
W--> 195 365 370 375 380
E--> 197 ACC CTC TGT TAAACCACCA ATTTCTTGAC ATAGAGCCAG CCAGCAGGAG
W--> 198 1444
199 Thr Leu Cys
E--> 202 TCATATTAAA CTCAATTCT CTTAAAATTT CGAATACATC TTCTTGAAAA 1525
203 TCCAAAAAAA 1504
205 AAAAAAAA AAAAACTCGA G
291 (2) INFORMATION FOR SEQ ID NO: 3:
293 (i) SEQUENCE CHARACTERISTICS:
294 (A) LENGTH: 1369 base pairs
295 (B) TYPE: nucleic acid
296 (C) STRANDEDNESS: double
297 (D) TOPOLOGY: linear
299 (ii) MOLECULE TYPE: cDNA
301 (iii) HYPOTHETICAL: NO
304 (ix) FEATURE:
305 (A) NAME/KEY: CDS
306 (B) LOCATION: 103..1245
309 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
E--> 311 GGATCCGGCG GGATGAAGGC TATTGAAAGT CGCCATAACC TGGTCAGAAG
312 TGTGCCTGTC 60
E--> 314 GGCGGGGAGA GAGGCAATAT CAAGGTTTA AATCTCGGAG AA ATG GCT TTC
315 GTT 114
316 Met Ala Phe Val
317 1
E--> 319 TGC TTG GCT ATC GGA TGC TTA TAT ACC TTT CTG ATA AGC ACA ACA TTT
W--> 320 162
321 Cys Leu Ala Ile Gly Cys Leu Tyr Thr Phe Leu Ile Ser Thr Thr Phe
W--> 322 5 10 15 20
E--> 324 GGC TGT ACT TCA TCT TCA GAC ACC GAG ATA AAA GTT AAC CCT CCT CAG
W--> 325 210
326 Gly Cys Thr Ser Ser Asp Thr Glu Ile Lys Val Asn Pro Pro Gln
W--> 327 25 30 35
E--> 329 GAT TTT GAG ATA GTG GAT CCC GGA TAC TTA GGT TAT CTC TAT TTG CAA
W--> 330 258
331 Asp Phe Glu Ile Val Asp Pro Gly Tyr Leu Gly Tyr Leu Tyr Leu Gln
W--> 332 40 45 50
E--> 334 TGG CAA CCC CCA CTG TCT CTG GAT CAT TTT AAG GAA TGC ACA GTG GAA
W--> 335 306

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Input Set : N:\jumbos\09714792.raw.txt
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336 Trp Gln Pro Pro Leu Ser Leu Asp His Phe Lys Glu Cys Thr Val Glu
W--> 337 55 60 65
E--> 339 TAT GAA CTA AAA TAC CGA AAC ATT GGT AGT GAA ACA TGG AAG ACC ATC
W--> 340 354
341 Tyr Glu Leu Lys Tyr Arg Asn Ile Gly Ser Glu Thr Trp Lys Thr Ile
W--> 342 70 75 80
E--> 344 ATT ACT AAG AAT CTA CAT TAC AAA GAT GGG TTT GAT CTT AAC AAG GGC
W--> 345 402
346 Ile Thr Lys Asn Leu His Tyr Lys Asp Gly Phe Asp Leu Asn Lys Gly
W--> 347 85 90 95 100
E--> 349 ATT GAA GCG AAG ATA CAC ACG CTT TTA CCA TGG CAA TGC ACA AAT GGA
W--> 350 450
351 Ile Glu Ala Lys Ile His Thr Leu Leu Pro Trp Gln Cys Thr Asn Gly
W--> 352 105 110 115
E--> 354 TCA GAA GTT CAA AGT TCC TGG GCA GAA ACT ACT TAT TGG ATA TCA CCA
W--> 355 498
356 Ser Glu Val Gln Ser Ser Trp Ala Glu Thr Thr Tyr Trp Ile Ser Pro
W--> 357 120 125 130
E--> 359 CAA GGA ATT CCA GAA ACT AAA GTT CAG GAT ATG GAT TGC GTA TAT TAC
W--> 360 546
361 Gln Gly Ile Pro Glu Thr Lys Val Gln Asp Met Asp Cys Val Tyr Tyr
W--> 362 135 140 145
E--> 364 AAT TGG CAA TAT TTA CTC TGT TCT TGG AAA CCT GGC ATA GGT GTA CTT
W--> 365 594
366 Asn Trp Gln Tyr Leu Leu Cys Ser Trp Lys Pro Gly Ile Gly Val Leu
W--> 367 150 155 160
E--> 369 CTT GAT ACC AAT TAC AAC TTG TTT TAC TGG TAT GAG GGC TTG GAT CAT
W--> 370 642
371 Leu Asp Thr Asn Tyr Asn Leu Phe Tyr Trp Tyr Glu Gly Leu Asp His
W--> 372 165 170 175 180
E--> 374 GCA TTA CAG TGT GTT GAT TAC ATC AAG GCT GAT GGA CAA AAT ATA GGA
W--> 375 690
376 Ala Leu Gln Cys Val Asp Tyr Ile Lys Ala Asp Gly Gln Asn Ile Gly
W--> 377 185 190 195
E--> 379 TGC AGA TTT CCC TAT TTG GAG GCA TCA GAC TAT AAA GAT TTC TAT ATT
W--> 380 738
381 Cys Arg Phe Pro Tyr Leu Glu Ala Ser Asp Tyr Lys Asp Phe Tyr Ile
W--> 382 200 205 210
E--> 384 TGT GTT AAT GGA TCA TCA GAG AAC AAG CCT ATC AGA TCC AGT TAT TTC
W--> 385 786
386 Cys Val Asn Gly Ser Ser Glu Asn Lys Pro Ile Arg Ser Ser Tyr Phe
W--> 387 215 220 225
E--> 389 ACT TTT CAG CTT CAA AAT ATA GTT AAA CCT TTG CCG CCA GTC TAT CTT
W--> 390 834
391 Thr Phe Gln Leu Gln Asn Ile Val Lys Pro Leu Pro Pro Val Tyr Leu
W--> 392 230 235 240
E--> 394 ACT TTT ACT CGG GAG AGT TCA TGT GAA ATT AAG CTG AAA TGG AGC ATA
W--> 395 882
396 Thr Phe Thr Arg Glu Ser Ser Cys Glu Ile Lys Leu Lys Trp Ser Ile

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Input Set : N:\jumbos\09714792.raw.txt
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W--> 397 245 250 255 260
E--> 399 CCT TTG GGA CCT ATT CCA GCA AGG TGT TTT GAT TAT GAA ATT GAG ATC
W--> 400 930
401 Pro Leu Gly Pro Ile Pro Ala Arg Cys Phe Asp Tyr Glu Ile Glu Ile
W--> 402 265 270 275
E--> 404 AGA GAA GAT GAT ACT ACC TTG GTG ACT GCT ACA GTT GAA AAT GAA ACA
W--> 405 978
406 Arg Glu Asp Asp Thr Thr Leu Val Thr Ala Thr Val Glu Asn Glu Thr
W--> 407 280 285 290
E--> 409 TAC ACC TTG AAA ACA ACA AAT GAA ACC CGA CAA TTA TGC TTT GTA GTA
W--> 410 1026
411 Tyr Thr Leu Lys Thr Thr Asn Glu Thr Arg Gln Leu Cys Phe Val Val
W--> 412 295 300 305
E--> 414 AGA AGC AAA GTG AAT ATT TAT TGC TCA GAT GAC GGA ATT TGG AGT GAG
W--> 415 1074
416 Arg Ser Lys Val Asn Ile Tyr Cys Ser Asp Asp Gly Ile Trp Ser Glu
W--> 417 310 315 320
E--> 419 TGG AGT GAT AAA CAA TGC TGG GAA GGT GAA GAC CTA TCG AAG AAA ACT
W--> 420 1122
421 Trp Ser Asp Lys Gln Cys Trp Glu Gly Glu Asp Leu Ser Lys Lys Thr
W--> 422 325 330 335 340
E--> 424 TTG CTA CGT TTC TGG CTA CCA TTT GGT TTC ATC TTA ATA TTA GTT ATA
W--> 425 1170
426 Leu Leu Arg Phe Trp Leu Pro Phe Gly Phe Ile Leu Ile Leu Val Ile
W--> 427 345 350 355
E--> 429 TTT GTA ACC GGT CTG CTT TTG CGT AAG CCA AAC ACC TAC CCA AAA ATG
W--> 430 1218
431 Phe Val Thr Gly Leu Leu Leu Arg Lys Pro Asn Thr Tyr Pro Lys Met
W--> 432 360 365 370
E--> 434 ATT CCA GAA TTT TTC TGT GAT ACA TGA AGACTTCCA TATCAAGAGA
W--> 435 1265
436 Ile Pro Glu Phe Phe Cys Asp Thr *
W--> 437 375 380
E--> 439 CATGGTATTG ACTCAACAGT TTCCAGTCAT GGCCAAATGT TCAATATGAG
440 TCTCAATAAA 1325
442 CTGAATTCTT CTTGCGAAAA AAAAAAAA AAATCCGCGG ATCC 1369
445 (2) INFORMATION FOR SEQ ID NO: 4:
447 (i) SEQUENCE CHARACTERISTICS: 380
448 (A) LENGTH: 380 amino acids
449 (B) TYPE: amino acid
450 (D) TOPOLOGY: linear
452 (ii) MOLECULE TYPE: protein
454 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
456 Met Ala Phe Val Cys Leu Ala Ile Gly Cys Leu Tyr Thr Phe Leu Ile
457 1 5 10 15
459 Ser Thr Thr Phe Gly Cys Thr Ser Ser Ser Asp Thr Glu Ile Lys Val
460 20 25 30
462 Asn Pro Pro Gln Asp Phe Glu Ile Val Asp Pro Gly Tyr Leu Gly Tyr
463 35 40 45

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Input Set : N:\jumbos\09714792.raw.txt
Output Set: N:\CRF3\04082002\I714792.raw

465 Leu Tyr Leu Gln Trp Gln Pro Pro Leu Ser Leu Asp His Phe Lys Glu
 466 50 55 60
 468 Cys Thr Val Glu Tyr Glu Leu Lys Tyr Arg Asn Ile Gly Ser Glu Thr
 469 65 70 75 80
 471 Trp Lys Thr Ile Ile Thr Lys Asn Leu His Tyr Lys Asp Gly Phe Asp
 472 85 90 95
 474 Leu Asn Lys Gly Ile Glu Ala Lys Ile His Thr Leu Leu Pro Trp Gln
 475 100 105 110
 477 Cys Thr Asn Gly Ser Glu Val Gln Ser Ser Trp Ala Glu Thr Thr Tyr
 478 115 120 125
 480 Trp Ile Ser Pro Gln Gly Ile Pro Glu Thr Lys Val Gln Asp Met Asp
 481 130 135 140
 483 Cys Val Tyr Tyr Asn Trp Gln Tyr Leu Leu Cys Ser Trp Lys Pro Gly
 484 145 150 155 160
 486 Ile Gly Val Leu Leu Asp Thr Asn Tyr Asn Leu Phe Tyr Trp Tyr Glu
 487 165 170 175
 489 Gly Leu Asp His Ala Leu Gln Cys Val Asp Tyr Ile Lys Ala Asp Gly
 490 180 185 190
 492 Gln Asn Ile Gly Cys Arg Phe Pro Tyr Leu Glu Ala Ser Asp Tyr Lys
 493 195 200 205
 495 Asp Phe Tyr Ile Cys Val Asn Gly Ser Ser Glu Asn Lys Pro Ile Arg
 496 210 215 220
 498 Ser Ser Tyr Phe Thr Phe Gln Leu Gln Asn Ile Val Lys Pro Leu Pro
 499 225 230 235 240
 501 Pro Val Tyr Leu Thr Phe Thr Arg Glu Ser Ser Cys Glu Ile Lys Leu
 502 245 250 255
 504 Lys Trp Ser Ile Pro Leu Gly Pro Ile Pro Ala Arg Cys Phe Asp Tyr
 505 260 265 270
 507 Glu Ile Glu Ile Arg Glu Asp Asp Thr Thr Leu Val Thr Ala Thr Val
 508 275 280 285
 510 Glu Asn Glu Thr Tyr Thr Leu Lys Thr Thr Asn Glu Thr Arg Gln Leu
 511 290 295 300
 513 Cys Phe Val Val Arg Ser Lys Val Asn Ile Tyr Cys Ser Asp Asp Gly
 514 305 310 315 320
 516 Ile Trp Ser Glu Trp Ser Asp Lys Gln Cys Trp Glu Gly Glu Asp Leu
 517 325 330 335
 519 Ser Lys Lys Thr Leu Leu Arg Phe Trp Leu Pro Phe Gly Phe Ile Leu
 520 340 345 350
 522 Ile Leu Val Ile Phe Val Thr Gly Leu Leu Leu Arg Lys Pro Asn Thr
 523 355 360 365
 E--> 525 Tyr Pro Lys Met Ile Pro Glu Phe Phe Cys Asp Thr *
 E--> 526 370 375 380

VERIFICATION SUMMARY

DATE: 04/08/2002

PATENT APPLICATION: US/09/714,792

TIME: 09:15:58

Input Set : N:\jumbos\09714792.raw.txt

Output Set: N:\CRF3\04082002\I714792.raw

L:32 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:33 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:66 M:254 E: No. of Bases conflict, Input:0 Counted:50 SEQ:1
M:254 Repeated in SeqNo=1
L:79 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:84 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:86 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:89 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:91 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:94 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:96 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:99 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:101 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:104 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:106 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:109 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:111 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:114 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:116 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:119 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:121 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:124 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:126 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:129 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:131 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:134 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:136 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:139 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:141 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:144 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:146 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:149 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:151 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:154 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:156 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:159 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:161 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:164 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:166 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:169 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:171 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:174 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:176 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:179 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:181 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:185 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:188 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:190 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/714,792

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Input Set : N:\jumbos\09714792.raw.txt
Output Set: N:\CRF3\04082002\I714792.raw

L:193 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:195 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:198 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:1
L:311 M:254 E: No. of Bases conflict, Input:0 Counted:50 SEQ:3
M:254 Repeated in SeqNo=3
L:320 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:322 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:325 M:336 W: Invalid Amino Acid Number in Coding Region, SEQ ID:3
L:525 M:342 E: Invalid Stop Code On Error, STOP CODON:*

L:526 M:203 E: No. of Seq. differs, LENGTH:Input:380 Found:381 SEQ:4
L:536 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=5
L:551 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=6
L:566 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=7
L:581 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=8
L:596 M:246 W: Invalid value of Alpha Sequence Header Field, [MOLECULE TYPE:], SeqNo=9

STATISTICS SUMMARY
PATENT APPLICATION: US/09/714,792

DATE: 04/08/2002
TIME: 09:15:58

Input Set : N:\jumbos\09714792.raw.txt
Output Set: N:\CRF3\04082002\I714792.raw

Application Serial Number: US/09/714,792
Alpha or Numeric: Alpha
Application Class:
Application File Date: 11-16-2000
Art Unit: 1646
Software Application: PatentIN1.0
Total Number of Sequences: 9
Total Nucleotides: 2994
Total Amino Acids: 764
Number of Errors: 58
Number of Warnings: 100
Number of Corrections: 0

MESSAGE SUMMARY

203 E: 1 (No. of Seq. differs)
246 W: 5 (Invalid value of Alpha Sequence Header Field)
254 E: 56 (No. of Bases conflict)
342 E: 1 (Invalid Stop Code On Error)
336 W: 95 (Invalid Amino Acid Number in Coding Region)